

## Product: igutex® TX1

### General Properties:

density:	2.1 g/cm <sup>3</sup>
colour:	grey-green
saturation with moisture absorption at 23°C / 50% r. h.:	0.2 weight %
saturation with water:	0.5 weight %

### Mechanical Properties:

flexural modulus:	12 000 MPa
flexural strength:	55 MPa
max. permissible surface pressure at 20 °C:	200 MPa
compressive strength <sup>3)</sup> :	400 MPa
Shore D hardness [DIN 53505]:	94

### Thermal Properties:

highest long term service temperature <sup>1)</sup> :	120°C
highest short term service temperature <sup>1), 2)</sup> :	170°C
highest short term ambient temperature <sup>1), 2)</sup> :	180°C
lowest service temperature:	-60°C

### Electrical Properties:

specific volume resistivity:	>1x10 <sup>11</sup> Ωcm
surface resistivity:	>1x10 <sup>13</sup> Ω

<sup>1)</sup> relaxation possible

<sup>2)</sup> without additional load; no movement

<sup>3)</sup> according to material supplier

The information on this Product Data Sheet is based on our current knowledge of the specified product. None of the information comprises one or more guarantees on certain properties.